



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for Oct 25, 2013
Ed Kearns, Acting Chief

	CDR	PI TM	Assessment		Deliver Drafts					Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release			
			Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metatdata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	x	x	x	22-Jul	28-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	9-Sep	23-Aug	5-Aug	27-Aug	5-Aug	13-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep	Nov 2013
2	Bended Sea Winds	Zhang Zhang	x	29-Aug	ON HOLD		19-Aug						4-Sep																	FY14
3	MSU TCDR	Zou Semunegus																												FY14
4	HIRS FCDR, Cloud/ Moisture Bundle	Menzel Young	x	31-Jan					x																					Nov 2013
5,6,7	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	x	21-Feb																										Nov 2013
8	ISCCP	Rossow Knapp	x	17-Jan																										FY14
9	OLR Daily	HT Lee Shi	x	x																										Dec 2013
10, 11, 12	Vegetation (Sfc Ref, NDVI) (LAI/FPAR)	Vermote Matthews	x	17-Jan	22-May 24-Jun	2-Jul	26-Jul		22-May 24-Jun		29-May	9-Jul	22-Aug		31-May															Dec 2013
13	MSU/AMSU Temp Suite	Ho Shi	x	PI requested 1 yr ext																										FY14
14, 15	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young																								45 TB				Mar 2014
16,17	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	13-Jun	x																										Jun 2014
18	AVHRR FCDR (Ch 3b-4-5)	Mittaz Banzon			Monthly Progress Report?																									FY14
19,20	Stratospheric (Ozone and Water Vapor)	Rosenlof Young																												FY14
21	Solar Irradiance (Oservational)	Pilewski Zhao	x																											FY14
22	Sea Ice Concentration	Meier Peng																												FY14
23	Global Surface Albedo	Matthews Matthews																												FY14
24	Cloud Properties	Heidinger Zhao																												FY14
25	Solar Irradiance (Composite)	Lean Zhao	x																											FY14

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1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	1)	Ready for ORR - Nov 7	12-Jul		x	4-Sep	x	28-Jul	11-Jul	28-Jul	x	8-Sep	23-Aug	6-Aug	27-Aug	8-Aug	13-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep			Nov 2013
2	Banded Sea Winds	Zhang Zhang	2)	On Hold – PI on higher priority task	On Hold								4-Sep																	FY14
3	MSU TCDR	Zou Semunegus	3)																											FY14
4	HIRS FCDR, Cloud/ Moisture Bundle	Menzel Young	4)	PI only sending code (not data) for CTP and TPW; Cao working on N6, 7, 8 calibration																										Nov 2013
5,6,7	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	5-7)	11-Feb																										Nov 2013
8	ISCCP	Rossow Knapp	8)	17-Jan																										FY14
9	OLR Daily	HT Lee Shi	9)	x																										Dec 2013
10, 11, 12	Vegetation (Sfc Ref, NDVI) (LAI/TPAR)	Vermote Matthews	10-12)	Sent feedback to PI on second draft of C-ATBD; Phil provided metadata review																										Dec 2013
13	MSU/AMSU Temp Suite	Ho Shi	13)	PI requested 1 yr ext																										FY14
14, 15	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	14,15)																							45 TB				Mar 2014
16,17	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	16,17)	Can provide NRT updates (3 day lag)																										Jun 2014
18	AVHRR FCDR (Ch 3b-4-5)	Mittaz Banzon	18)	PI will deliver code and draft C-ATBD by the end of Sep	Monthly Report?																									FY14
19,20	Stratospheric (Ozone and Water Vapor)	Rosenlof Young	19,20)	PI plans to deliver Ozone only with no updates - Telecon scheduled 10/29																										FY14
21	Solar Irradiance (Observational)	Pilewski Zhao	21)																											FY14
22	Sea Ice Concentration	Meier Peng	22)																											FY14
23	Global Surface Albedo	Matthews Matthews	23)																											FY14
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SCHEDULE OF DELIVERABLES - CDRP 2013 O&M Contracts and Grants

CDR	Imp Pln	QA Proc.	Up-to-date with Data deliveries	Receiving QA results	IP Lic.	CDRP action required?
UAH MSU			but not posting			CH - review Imp Pln SME - review Imp Pln
Pathfinder SST						CH - follow-up again with NODC as to why the 2012 data has not been publicly posted on their THREDDS and website CH - open CR
PATMOS-x			In CR			CH - continue monitoring CR
AMSU-A ch9						CH - review Imp Pln SME - review Imp Pln
GridSat B1	N/A	N/A	In CR			CH - continue monitoring CR
CSU SSMI(S)						
Monthly OLR						CH - contact PI about IP License CH - contact PI about updating product from static delivery
RSS MSU						
Sea Ice Conc.						
Snow Cover Extent (NH)						
HIRS Ch12	N/A	N/A	In CR			CH - continue monitoring CR
PERSIANN						
RSS SSMI(S)						
AOT	N/A	N/A	In CR			CH - continue monitoring CR
AMSU Chs 4-14						



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NPP/JPSS Climate Raw Data Records (C-RDRs) Project

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VIIRS

①

- Completed code for C-RDR.

②

System Infrastructure

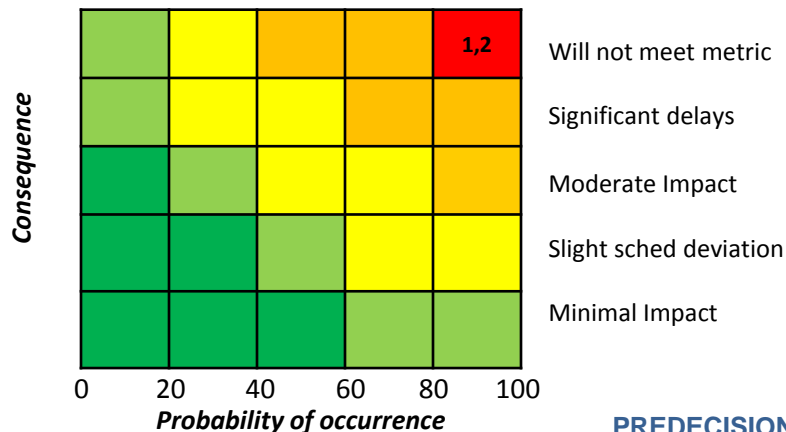
- Integrating with the VIIRS C-RDR.

- VIIRS is in production.**
- Operations Readiness Review conducted Oct 21.**
- Resolving filename issues (built from PROD container) for archive.**
- Presented product to the UESB.
- Completed build of C-RDR on the TEST container.
- Evaluating JPSS support data Change Requests and their effects.
- C-RDR is first product moving to three tier environment.
- Initial verification of SDR from C-RDR compared successfully.
- VIIRS Product Specification is ITAR approved.
- C-RDR access via HAS (two years of tapes for HDSS).
- Integrating: Ingest data from CLASS and producing C-RDRs.
- Will deliver initial version with ADL 3.1.

C-RDR Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
Milestones							▲		▲								
Finalize Code																	
TEST																	
Dry Runs																	
SAT																	
OPERATIONS																	
Prepare OPS																	
Operations																	
Write SOP																	
Write OAD																	
CR: Support Data																	
CR: Reprocess																	

R2O PHASE: ANALYSIS DESIGN DEVELOPMENT INTEGRATION TEST OPERATIONAL

Risk Matrix



Risk and Mitigation

VIIRS, CrIS, ATMS –

- Resources are being reduced. Delivery of CrIS and ATMS will be delayed.
- Operational software is under maintenance, updated versions may affect C-RDR ported version.

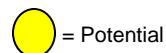
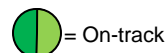
System Infrastructure –

Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.

Reliability of Blade Center administration support. ITB admin position remains unfilled. ITB is working to fill the position.

PREDECISIONAL DRAFT INFORMATION

10/28/2013



= On-track = Potential management action required = Management attention required

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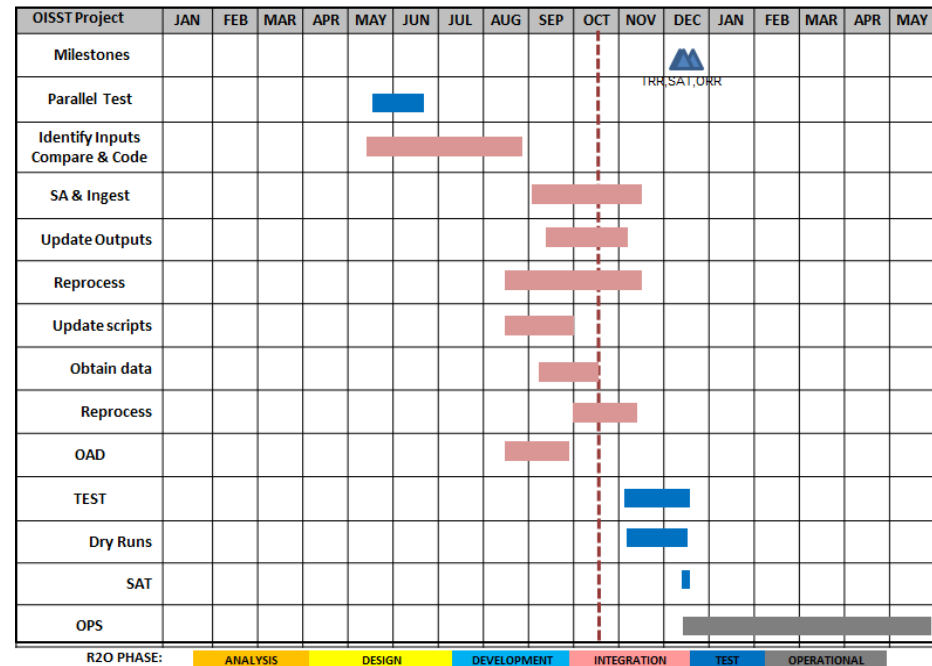
OISST Research to Operations Project

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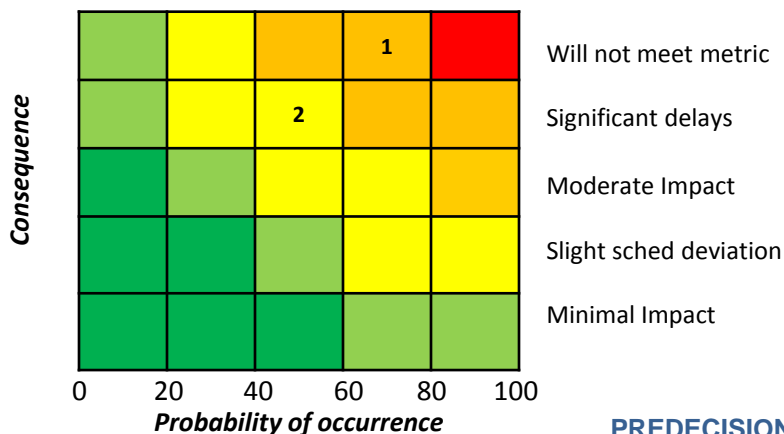
1 OISST – Optimum Interpolated Sea Surface Temperature

- Working on script and read routines for reprocessing.
- Reassigning tasks based on loss of an employee (Jarrett).
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
- Conducted Technology Assessment Review July 25.

Operations:



Risk Matrix

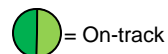


Risk and Mitigation

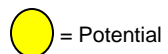
- 1 Transition to archived inputs for 15 day delay (final) product requires scientific comparison. Schedule depends on successful comparison for transition implementation. Will make an assessment of best way forward after initial comparisons. Comparison completed and inputs selected.
- 2 ITB support is required to move through the three tier environment.

PREDECISIONAL DRAFT INFORMATION

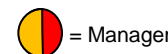
10/28/2013



= On-track



= Potential management action required



= Management attention required